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(54) Solenoid using colour-coded visual indicia in a liquid dispensing system

(57) A liquid dispensing system and methods including color-coded visual indicia to assist an operator in the proper selection of the components and in the configuration of those components in the system during setup, maintenance and diagnostics. Color-coded indicia is also provided to assist an operator in the proper selection of a solenoid for use in a particular application. Various com-

ponents of the liquid dispensing system (10), such as the melter unit (12), controller, hoses, electrical cordssets and solenoid (30), include visually identifiable color-coded indicia (34a-d) on the surfaces of the components, such as color-coded rings (36a-d), bands and characters, to assist the operator in the component selection and configuration processes.

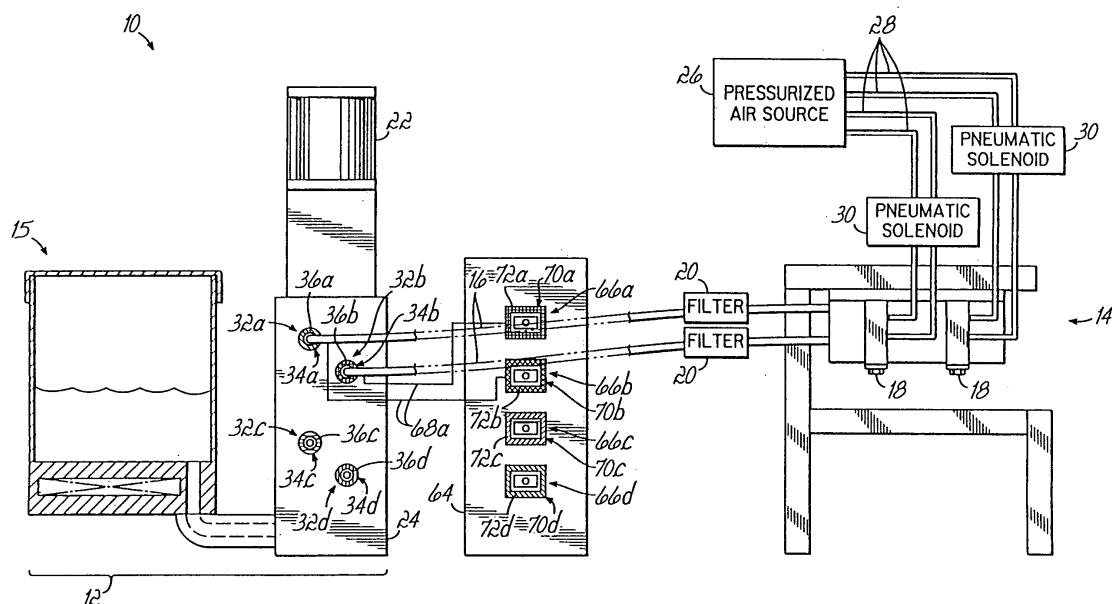


FIG. 1



EUROPEAN SEARCH REPORT

 Application Number
 EP 03 02 2702

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
X	US 5 544 813 A (GILES DURHAM K [US] ET AL) 13 August 1996 (1996-08-13) * abstract; figure 11 * * column 8, line 34 - line 54; figure 8 * -----	1-9	INV. B05C11/10 F16L11/12
Y	US 2001/023876 A1 (ESTELLE PETER W [US] ET AL) 27 September 2001 (2001-09-27) * abstract; figure 1 * * page 5, paragraph 0052 - paragraph 0053; figure 3 *	1-9	
Y	US 4 350 300 A (VIKRE MERLE A) 21 September 1982 (1982-09-21) * abstract; figures 1-3 * * column 5, line 46 - line 57 * * column 9, line 16 - line 20; figure 7 *	1-9	
Y	WO 00/20122 A1 (NORDSON CORP [US]) 13 April 2000 (2000-04-13) * abstract; figures 1,7 * * page 8, line 3 - line 12; figure 2 * * page 11, line 8 - line 21; figure 4A *	1-9	TECHNICAL FIELDS SEARCHED (IPC)
Y	US 5 354 203 A (KOTCH RICHARD J [US] ET AL) 11 October 1994 (1994-10-11) * abstract; figure 1 * * column 3, line 48 - column 4, line 39; claims 14,17; figures 4A-4L * -----	1-9	B05C F16L
The present search report has been drawn up for all claims			
1	Place of search Munich	Date of completion of the search 4 November 2010	Examiner Fittante, Guglielmo
CATEGORY OF CITED DOCUMENTS		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document			

**ANNEX TO THE EUROPEAN SEARCH REPORT
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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on. The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

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